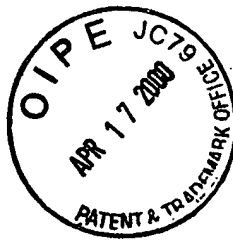


Attorney's Docket No. 3477-116



PATENT

#9
Amend B
J. Byrce
4/25/00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Pugh et al.

Group Art Unit: 3738

Appl. No.: 09/029,872

Examiner: P. Prebilic

Filed: June 29, 1998

For: ARTIFICIAL STABILIZED COMPOSITION OF
CALCIUM PHOSPHATE PHASE PARTICULARLY
ADAPTED FOR SUPPORTING BONE CELL ACTIVITY

April 11, 2000

Assistant Commissioner for Patents
Washington, DC 20231

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TECHNOLOGY CENTER 3700

AMENDMENT

Sir:

In response to the Office Action mailed November 8, 1999, please amend the above-referenced application as follows:

In the Specification:

N.E. Please insert the attached "Abstract" after page 39.

In the Claims:

505
93
B1
10. (Amended) [A composition as claimed in claim 1 or claim 9, wherein said silicon entities are] A bioactive artificial sintered composition for providing a morphology capable of consistently supporting bone cell activity thereon, said composition comprising stabilized calcium phosphate phases developed by the conversion of a hydroxyapatite substance in the presence of tetrapropyl orthosilicate stabilizing entities at sintering temperatures into insolubilized and stabilized tricalcium phosphate.

Sub 4
B2
19. (Amended) A process [as claimed in claim 13] for stabilizing an artificial sintered composition of calcium phosphate phases having a morphology suitable for supporting bone cell activity thereon, said process comprising converting a hydroxyapatite substance into primarily